

## SCOTTSDALE PARKS AND RECREATION COMMISSION REPORT



**To:** Parks and Recreation Commission  
**From:** Susan Conklu, Senior Transportation Planner  
**Subject:** Bicycle Station Study  
**Meeting Date:** November 14, 2018

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**Action:** Information and discussion

**Purpose:**

Provide update on the Bicycle Station Study.

**Information:**

In summer 2017 the City of Scottsdale successfully applied for Design Assistance Grant funding from the Maricopa Association of Governments to conduct a Bicycle Station Study to evaluate and recommend locations and amenities for bicycle parking options south of Indian Bend Road. The Design Assistance Grants cover 100% of the funding for consultants to create a design concept up to the 15% level for projects. Harrington Planning and Design was chosen from MAG's approved consultant list due to their experience on a similar study in Tempe and other Design Assistance projects in the area.

Bike parking is often referred to as an "end of trip facility" and is an important measurable of bicycle friendly communities. Sufficient and secure bike parking helps welcome bicyclists, prevent theft of bikes and bike parts and discourages parking in landscaping, along railings, fencing, signposts and other inappropriate locations. Improper bike parking can impede pedestrians and damage bicycles and the objects they are locked to.

The Bicycle Station Study will identify potential bike parking station locations and define a list of amenities for each station. This project will evaluate 25-30 locations in an area south of Indian Bend Road to McKellips Road including Old Town. This project area and the station locations were chosen due to the population density, character of the area, existing bikeways, and various destinations for biking such as downtown, parks, community centers, Civic Center Library, and major employers.

A station concept program will identify common facility elements for these sites. This will be provided as a list of amenities for the various station features (bike parking, map panels, signage, shade, site amenities, defined station boundaries, decorative pavement, lighting, etc.) to ensure these stations are consistent and identifiable.

These stations will be used to consolidate the bike share operators within the City of Scottsdale, and encourage people's personal bicycles to be parked at these locations. This study will evaluate and recommend potential locations, and a station element concept will be developed to a 15% level design.

The design team's progress to date includes data collection of existing conditions and relevant design criteria for each proposed location. Each site has been photo-documented, and an analysis of existing conditions has been conducted. Site opportunities and constraints have been defined, and a preliminary matrix of findings and assessment values has been developed to help rank the locations by priority.

Goals for the Bicycle Stations include:

- Provide 3 Tiers of storage for bikes: 10, 20, and 30 bikes
- The Tier selection is influenced by existing site conditions
- Create consistent station themes
- Connect to other transportation networks such as bike lanes or paths
- Functions as safe, comfortable, accessible, and social spaces
- Create modular stations with flexible design elements
- Support using alternative and active modes of transportation

All stations include 3 core elements:

- Bicycle racks in a 30-degree angled layout
- Stable surface
- Wayfinding signage panel

Additional features for stations include:

- Seating
- Space-defining element such as a boundary
- Lighting
- Trash bin
- Shade
- Future vendor kiosk for any public station-based bike share
- Advertising panel for sponsors of station
- Drinking fountain
- Bike repair station or air pump

### **Public Outreach:**

To date, Transportation staff and the consultants have held the following public meetings and outreach activities:

- Public open house Wednesday July 25
- Public open house Saturday July 28
- Project webpage and online comment form – approximately 84 comments received
- Path and Trails Subcommittee August 7
- Transportation Commission September 20
- Public open house September 19
- Public open house September 22

### **Next Steps:**

Transportation staff will review the Final Project Study with recommendations for station locations, cost estimates, and priorities in November.

If the city implements the bicycle stations, further design will be required. Installation of stations could be funded through local, federal, or private sources. The locations could also take a phased approach for construction.